



CINCINNATI
STREETCAR™

Cincinnati Bell®
connector

MONTHLY REPORT

July - August 2016

REFERENCES

- For background information on the Cincinnati Streetcar, please go to <http://www.cincinnati-oh.gov/streetcar/>
- For previous months' reports or PowerPoint presentations to the Major Transportation & Regional Cooperation Council Committee, please go to <http://www.cincinnati-oh.gov/streetcar/documents-references/>



TABLE OF CONTENTS

1. Progress Update Summary
2. Progress Details
 - 2.1. Civil Construction Schedule
 - 2.2. Trackwork and associated construction
 - 2.3. Maintenance and Operations Facility (MOF)
 - 2.4. Utilities
 - 2.5. Community Involvement and Communication
 - 2.6. MPD Billings for November
3. Vehicles
 - 3.1. Schedule
 - 3.2. Design and Production Activities
4. Budget and Expenditures
 - 4.1. Budget vs. Expenditures
 - 4.2. Risk/Contingency Items
 - 4.3. Contingency Usage
 - 4.4. Federal Grant Activity
5. Job Site Safety
6. SORTA Activities, Including Safety and Security Certification
7. Inclusion/DBE Compliance
8. Federal Oversight Activities
9. Contingency Expenditure Appendix



ACRONYMS

CFD	Cincinnati Fire Department
CPD	Cincinnati Police Department
CBD	Central Business District
DBE	Disadvantaged Business Enterprises
FAI	First Article Inspection
FLSSC	Fire Life Safety and Security Committee
FTA	Federal Transit Administration
MOF	Maintenance And Operations Facility
MPD	Messer, Prus, Delta Rail Joint Venture
OCS	Overhead Contact System
ODOT	Ohio Department of Transportation
OUPS	Ohio Utility Protection Service
PMOC	Project Management Oversight Consultant (FTA's)
SORTA	Southwest Ohio Regional Transit Authority
SSCVR	Safety and Security Certification Verification Report



ACRONYMS

SSRC	Safety and Security Review Committee
TANK	Transit Authority of Northern Kentucky
TAA	Track Access Authorization
TPSS	Traction Power Substation
TVM	Ticket Vending Machine
WTM	Wheel Truing Machine

1.0. PROGRESS SUMMARY



Combined Streetcar Team learns from ODOT that they have concurred with the City-SORTA Certification for Passenger Service

1.0. PROGRESS SUMMARY



Construction is booming along the streetcar tracks in Over-the-Rhine

1.0. PROGRESS SUMMARY

- Revenue service start date set for September 9, 2016
- Cincinnati Bell bought the naming rights for the streetcar and it has been renamed the Cincinnati Bell connector.
- Last civil construction and vehicle punch list work underway
 - Ticket Vending Machines (TVM) installed by SORTA
- Turnover of assets to SORTA underway
- USDOT Safety & Security Readiness Review (SSRR) concluded successfully



1.0. PROGRESS SUMMARY

- Safety & Security Certification submittal to ODOT received their concurrence, allowing the system to carry passengers
- Transdev began Pre-Revenue service in mid-August
- Budget Revisions 4 (Jul 31, 2016) complete

1.1. PROGRESS SUMMARY

- MPD Construction Contract Milestone Dates:

Milestone	Original Contract Dates (Bid Docs)	Change Order #1	Change Order #5	
OTR Loop & MOF Substantial Completion	June 15, 2014			
3000 ft. Test Track & MOF Substantial Completion	July 15, 2014	March 1, 2015	March 21, 2015	✓
Substantial Completion of OTR Loop	March 1, 2015	June 29, 2015	July 19, 2015	✓
Substantial Completion of All Work	October 1, 2015	March 15, 2016	April 4, 2016	✓
Revenue Service	April 2, 2016	September 15, 2016	September 15, 2016	

- CAF Contract Modification #2 (executed on August 1, 2014):

Milestone	Contractual Late Date	
Contractual Delivery of 1st Car	September 17, 2015	×
Contractual Delivery of 2nd Car	October 17, 2015	×
Contractual Delivery of 3rd Car	November 17, 2015	×
Contractual Delivery of 4th Car	November 17, 2015	×
Contractual Delivery of 5th Car	December 17, 2015	×



2.1. JULY 2016 CIVIL CONSTRUCTION SCHEDULE SUMMARY

ID	Description	Original Duration	Start	Finish	Area	2016						
						Jul	1	8	Aug	15	22	Sep
	Elm/ 12th to Henry					25						
1	MOT/Road Removal/Trackwork Start	1	09/16/13A	09/16/13A	Elm/ 12th to Henn							
2	Track/Road Complete	1	01/09/14A	01/09/14A	Elm/ 12th to Henn							
	Race/ Elder to 12th											
3	MOT/Road Removal/Trackwork Start	1	12/26/13A	12/26/13A	Race/ Elder to 12th							
4	Track/Road Complete	1	04/01/14A	04/01/14A	Race/ Elder to 12th							
	Central/ Race to Main											
5	MOT/Road Removal/Trackwork Start	1	03/24/14A	03/24/14A	Central/ Race to Mai							
6	Track/Road Complete	1	06/18/14A	06/18/14A	Central/ Race to Mai							
	12th/ Main to Elm											
7	MOT/Road Removal/Trackwork Start	1	04/21/14A	04/21/14A	12th/ Main to Elir							
8	Track/Road Complete	1	07/17/14A	07/17/14A	12th/ Main to Elir							
	OTR Turns and Diamond											
11	MOT/Road Removal/Trackwork Start	1	06/30/14A	06/30/14A	OTR Turns and Diamon							
12	Track/Road Complete	1	08/13/14A	08/13/14A	OTR Turns and Diamon							
	MOF Area Turn Outs											
9	MOT/Road Removal/Trackwork Start	1	08/28/14A	08/28/14A	MOF Area Turn Out							
10	Track/Road Complete	1	12/31/14A	12/31/14A	MOF Area Turn Out							
	Walnut/Central to 2nd											
13	MOT/Road Removal/Trackwork Start	1	08/11/14A	08/11/14A	Walnut/Central to 2nc							
14	Track/Road Complete	1	05/18/15A	05/18/15A	Walnut/Central to 2nc							
	2nd Street and Bridges											
15	MOT/Road Removal/Trackwork Start	1	09/02/14A	09/02/14A	2nd Street and Bridges							
16	Track/Road Complete	1	11/05/15A	11/05/15A	2nd Street and Bridges							
	Main/2nd to 12th											
17	MOT/Road Removal/Trackwork Start	1	03/30/15A	05/01/15A	Main/2nd to 12th							
18	Track/Road Complete	1	09/24/15A	09/24/15A	Main/2nd to 12th							
	OTR											
20	3000' Test Track	0		03/20/15A	OTR							
25	MOF Complete	0		03/20/15A	OTR							
30	Power and Stations - OTR	0		07/17/15A	OTR							
	CBD											
50	Power, Stabons, Paving, and Closeout - CBD	0		04/04/16A	CBD							
60	Pay Service Available	0		09/09/16	CBD							

Start Date: 01/01/13
Finish Date: 09/09/16
Data Date: 08/01/16
Run Date: 08/30/16

Cincinnati Streetcar
Contract #121C009060
August 1, 2016 - Project Schedule

Streetcar 2016_08-01 ppx

Page 1A

2.1. AUGUST 2016 CIVIL CONSTRUCTION SCHEDULE SUMMARY

ID	Description	Original Duration	Start	Finish	Area	2016									
						8	9	10	11	Sep 12	13	14	15	16	
Elm/ 12th to Henry															
1	MOT/Road Removal/Trackwork Start	1	09/16/13A	09/16/13A	Elm/ 12th to Henn										
2	Track/Road Complete	1	01/09/14A	01/09/14A	Elm/ 12th to Henn										
Race/ Elder to 12th															
3	MOT/Road Removal/Trackwork Start	1	12/26/13A	12/26/13A	Race/ Elder to 12th										
4	Track/Road Complete	1	04/01/14A	04/01/14A	Race/ Elder to 12th										
Central/ Race to Main															
5	MOT/Road Removal/Trackwork Start	1	03/24/14A	03/24/14A	Central/ Race to Main										
6	Track/Road Complete	1	06/18/14A	06/18/14A	Central/ Race to Main										
12th/ Main to Elm															
7	MOT/Road Removal/Trackwork Start	1	04/21/14A	04/21/14A	12th/ Main to Elm										
8	Track/Road Complete	1	07/17/14A	07/17/14A	12th/ Main to Elm										
OTR Turns and Diamond															
11	MOT/Road Removal/Trackwork Start	1	06/30/14A	06/30/14A	OTR Turns and Diamond										
12	Track/Road Complete	1	08/13/14A	08/13/14A	OTR Turns and Diamond										
MOF Area Turn Outs															
9	MOT/Road Removal/Trackwork Start	1	08/28/14A	08/28/14A	MOF Area Turn Outs										
10	Track/Road Complete	1	12/31/14A	12/31/14A	MOF Area Turn Outs										
Walnut/Central to 2nd															
13	MOT/Road Removal/Trackwork Start	1	08/11/14A	08/11/14A	Walnut/Central to 2nd										
14	Track/Road Complete	1	05/18/15A	05/18/15A	Walnut/Central to 2nd										
2nd Street and Bridges															
15	MOT/Road Removal/Trackwork Start	1	09/02/14A	09/02/14A	2nd Street and Bridges										
16	Track/Road Complete	1	11/05/15A	11/05/15A	2nd Street and Bridges										
Main/2nd to 12th															
17	MOT/Road Removal/Trackwork Start	1	03/30/15A	05/01/15A	Main/2nd to 12th										
18	Track/Road Complete	1	09/24/15A	09/24/15A	Main/2nd to 12th										
OTR															
20	3000' Test Track	0		03/20/15A	OTR										
25	MOF Complete	0		03/20/15A	OTR										
30	Power and Stations - OTR	0		07/17/15A	OTR										
CBD															
50	Power, Stations, Paving, and Closeout - CBD	0		04/04/16A	CBD										
60	Pay Service Available	0		09/09/16A	CBD										

2.1. CIVIL CONSTRUCTION STATUS

Track:

- Complete October 2015



OCS:

- Complete October 2015



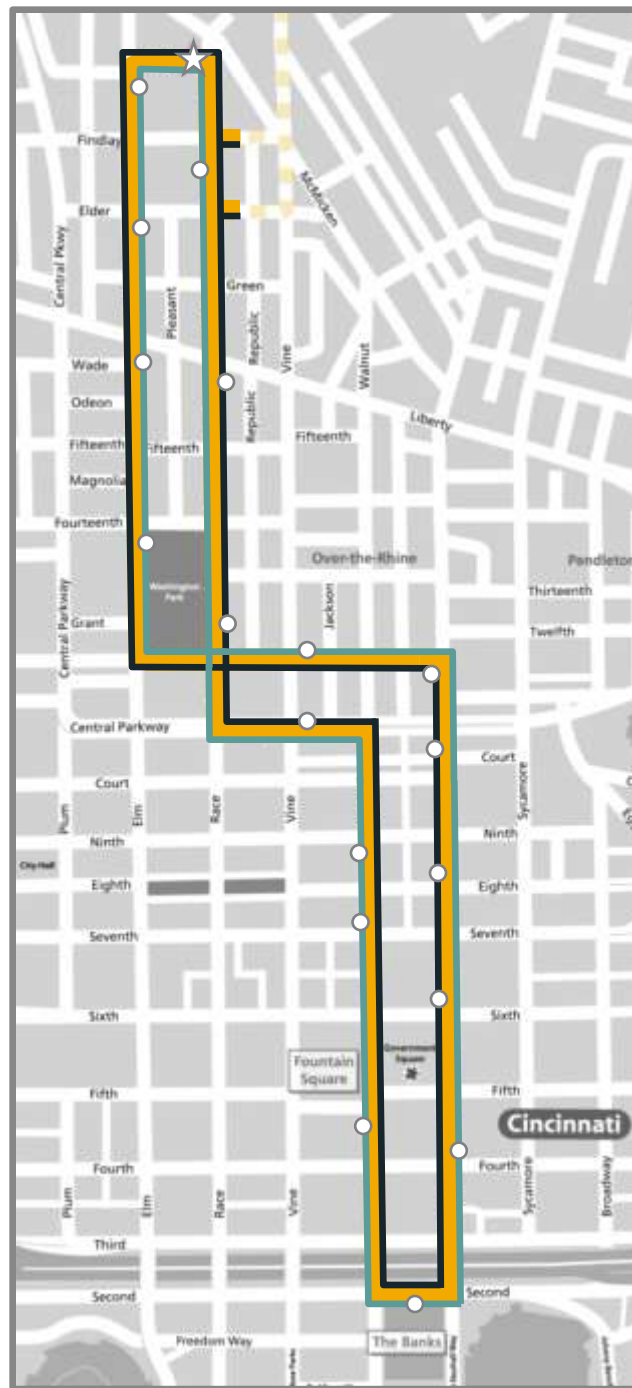
Paving:

- Complete October 2015



Stops:

- Complete November 2015



2.1. CIVIL CONSTRUCTION STATUS



Installing the ticket vending machines and their enclosures

July-August 2016 Monthly Report

2.1. CIVIL CONSTRUCTION STATUS



Installing alternative signal actuator at Central Parkway and Walnut St.



Updating mezzanine to better suit operational requirements

2.1. CIVIL CONSTRUCTION STATUS



MPD putting finishing touches on the system before City turnover to SORTA

2.4 UTILITY WORK

Utility work, including street and sidewalk is in the contractual closeout phase:

- Duke Electric 100% complete
- Duke Gas 100% complete
- Cincinnati Bell 100% complete
- Water 100% complete
- Level 3 100% complete
- Chilled Water 100% complete
- Time Warner Cable 100% complete
- MSD (Sewer) 100% complete



2.5. COMMUNITY INVOLVEMENT & COMMUNICATION



Rocky Mertz, Public Information Officer for the City, provides an interview about the upcoming Grand Opening

2.5. COMMUNITY INVOLVEMENT & COMMUNICATION

- SORTA is now tracking and scheduling all community presentations
- Continuing established involvement strategy:
 - SORTA sends out Email monthly Streetcar Newsletters transitioned to Metro
 - Media alerts for all closures or other work disrupting pedestrian or vehicular traffic in coordination with RoadmapCincy
 - Personal visits to businesses and groups now focus on streetcar safety and how to ride
 - Attendance at DCI/Police Sector Meetings
 - Streetcar website: www.cincinnati-streetcar.com (all media, press releases, City Council reports and documents and resources from the project history)



2.5. COMMUNITY INVOLVEMENT & COMMUNICATION

- Internal City organizational development, familiarizing the departments and other service providers with Streetcar safety and operational characteristics, including how you work on a street with streetcar tracks
- Speaker's Bureau for groups that would like to hear about Cincinnati Streetcar
- Hamilton County Monthly Riverfront Joint Operations Task Force
- Social media (twitter @CB_Connector, City of Cincinnati Facebook page <https://www.facebook.com/CincinnatiStreetcarOFFICIAL>)
- Coordination with <http://www.roadmapcincy.com/> to push out information on streetcar related traffic matters



2.5. COMMUNITY INVOLVEMENT & COMMUNICATION

- Track Access Authorization (TAA) process being administered by SORTA/Transdev based on applications through CPD Special events or DOTE Public Space Permit Process. People needing information on how the process works should call Shawn Patton at the City DOTE Public Space Permit Desk, 352-5287
- Contractors, others working in ROW required to get a TAA authorization as part of their normal ROW permit from City DOTE
 - Allows streetcar operations to know who/what to expect in the street
 - Streetcar operations is then able to coordinate work with all agencies and contractors
- OSHA rules require workers to observe a 10 foot safety envelope around active OCS wire
- Transdev is engaged in safety training/certification to utility company workers



2.6. MPD BILLINGS – JULY 2016 REPORT

Bid Form Section	Total	Prev. Incurred	June (net ret)
Behind the Curb Work	\$222,617	\$222,617	\$0
Central Parkway Median	\$123,756	\$123,756	\$0
Civil, Roadway and Drainage	\$10,001,982	\$9,953,471	\$48,511
Communication System	\$763,959	\$748,707	\$15,252
Corrosion Control	\$336,948	\$336,948	\$0
Misc. Items	\$4,699,969	\$4,684,641	\$15,329
MOF Civil and Track	\$3,247,027	\$3,238,340	\$8,687
MOF	\$8,722,079	\$8,705,154	\$16,925
OCS Mainline	\$5,535,807	\$5,535,387	\$420
Signal System Streetcar	\$669,588	\$669,588	\$0
Streetcar Stop Shelters and Sitework	\$2,206,789	\$2,206,789	\$0
Trackwork on Grade	\$12,889,768	\$12,889,768	\$0
Trackwork on Structures	\$2,987,606	\$2,987,606	\$0
Traction Power	\$6,316,455	\$6,302,646	\$13,810
Traffic Signals and Lighting	\$4,543,596	\$4,532,627	\$10,970
Water Main - Main Street	\$2,385,941	\$2,385,941	\$0
Water Main - Walnut Street	\$1,780,106	\$1,780,106	\$0
CO#1	\$447,368	\$447,368	\$0
CO#2	\$52,861	\$52,861	\$0
CO#3	\$521,750	\$521,750	\$0
CO#4	\$256,225	\$256,225	\$0
CO#5	\$637,108	\$637,108	\$0
CO#6	\$128,782	\$128,782	\$0
CO#7	\$62,984	\$62,984	\$0
CO#8	\$313,894	\$313,894	\$0
CO#9	\$176,923	\$176,923	\$0
CO#10	\$0	\$0	\$0
CO#11	\$4,433	\$4,433	\$0
CO#12	\$8,070	\$8,070	\$0
Totals:	\$70,044,391	\$69,914,488	\$129,903



2.6. MPD BILLINGS – AUGUST 2016 REPORT

Bid Form Section	Total	Prev. Incurred	July-Aug (net ret)
Behind the Curb Work	\$224,543	\$222,617	\$1,926
Central Parkway Median	\$123,756	\$123,756	\$0
Civil, Roadway and Drainage	\$9,268,069	\$10,001,982	-\$733,913
Communication System	\$763,959	\$763,959	\$0
Corrosion Control	\$336,948	\$336,948	\$0
Misc. Items	\$5,024,032	\$4,699,969	\$324,062
MOF Civil and Track	\$3,243,718	\$3,247,027	-\$3,308
MOF	\$8,744,536	\$8,722,079	\$22,458
OCS Mainline	\$5,497,379	\$5,535,807	-\$38,428
Signal System Streetcar	\$669,588	\$669,588	\$0
Streetcar Stop Shelters and Sitework	\$2,186,485	\$2,206,789	-\$20,304
Trackwork on Grade	\$12,889,768	\$12,889,768	\$0
Trackwork on Structures	\$2,987,606	\$2,987,606	\$0
Traction Power	\$6,322,455	\$6,316,455	\$6,000
Traffic Signals and Lighting	\$4,543,174	\$4,543,596	-\$422
Water Main - Main Street	\$2,207,191	\$2,385,941	-\$178,750
Water Main - Walnut Street	\$1,780,106	\$1,780,106	\$0
CO#1	\$447,368	\$447,368	\$0
CO#2	\$52,861	\$52,861	\$0
CO#3	\$1,211,750	\$521,750	\$690,000
CO#4	\$273,233	\$256,225	\$17,008
CO#5	\$637,108	\$637,108	\$0
CO#6	\$307,532	\$128,782	\$178,750
CO#7	\$65,168	\$62,984	\$2,184
CO#8	\$317,654	\$313,894	\$3,760
CO#9	\$176,923	\$176,923	\$0
CO#10	\$0	\$0	\$0
CO#11	\$4,433	\$4,433	\$0
CO#12	\$8,070	\$8,070	\$0
CO#13	\$94,270	\$0	\$94,270
Totals:	\$70,315,414	\$70,044,391	\$271,023

3.0. VEHICLES



Workers from Advertising Vehicles rebrand the Cincinnati Streetcar as Cincinnati Bell Connector

3.0. VEHICLES



Three views of spare trucks received from CAF in July. Note that they have no through axle, the key to the 100% low floor design of the CAF Urbos 3 Streetcar

3.0. VEHICLES

- Vehicles are on schedule for start of fare service on September 9, 2016.
- As of July 12, 2016, the City had conditionally accepted all vehicles.
- Spare parts delivery
 - CAF quality personnel, LTK resident inspector, City Project Manager & Transdev are working to inspect and accept spare parts delivered to date
 - Additional spare parts are still yet to be received
 - Additional special tools are still yet to be received



4.0. BUDGET & EXPENDITURES

- Through August 31, 2016:
 - \$133,467,669 has been expended on the project (including Duke escrow)
 - Major Contract Activity:
 - 14 change orders to the MPD construction contract have been issued totaling \$2,626,531.56
 - Two change orders to the CAF vehicle contract have been issued totaling \$0
 - See Appendix A for breakout of Contingency Usage

4.0. BUDGET & EXPENDITURES

- Budget Revision 4 was the result of City Manager and Project Team review of remaining needs/resources
- Approx. \$2.5 M
 - Remaining 3rd party utility agreements closed under budget - \$481,000
 - Based on ongoing quantity reconciliation, Construction estimated under budget - \$2.0 M
 - Cancellation of old encumbrances for contracts no longer needed - \$62,000
- New Remaining Contingency = \$2.9 M
- Does not include \$550,000 Fund 455 Contingency est. by Ord. 106-2016



4.0. BUDGET & EXPENDITURES

- Administration is in discussion with FTA re: use of remaining contingency for items proposed for four areas:
 - Downtown Traffic Signal System Retiming - \$300,000
 - Startup Reimbursement - \$550,000
 - Capital Replacement Reserve - \$1.0 M
 - City capital equipment for streetcar - \$329,000
- Net Remaining Contingency after proposed items = \$530,000
- Fund 455 Contingency remains untouched



4.0. BUDGET & EXPENDITURES

BUDGET REVISION 4

	BUDGET REV. 4 - July 31, 2016			
Budget Category	Total Base Cost	Allocated Contingency	Base + Allocated Contingency	CHANGE (From Rev. 3)
Federal				
Construction	\$ 48,511,908.33	\$ 2,000,000.00	\$ 50,511,908.33	\$ (2,000,000.00)
MOF	\$ 11,914,668.98	\$ -	\$ 11,914,668.98	\$ -
Utilities (Project)	\$ 6,958,405.62	\$ -	\$ 6,958,405.62	\$ -
Utilities (3rd Party)	\$ 3,635,289.18	\$ 77,207.23	\$ 3,712,496.41	\$ (481,000.00)
Fare Vending	\$ 500,000.00	\$ 50,000.00	\$ 550,000.00	\$ -
City Project Administration	\$ 3,816,012.64	\$ 190,800.63	\$ 4,006,813.27	\$ -
SORTA Project Administration	\$ 2,000,000.00	\$ 100,000.00	\$ 2,100,000.00	\$ -
Real Estate	\$ 2,010,143.00	\$ -	\$ 2,010,143.00	\$ -
Start-up (capital)	\$ 250,000.00	\$ -	\$ 250,000.00	\$ -
Vehicles	\$ 23,111,373.00	\$ 2,101,722.40	\$ 25,213,095.40	\$ -
Unallocated Contingency (FED)	\$ 8,021,391.86	\$ -	\$ 8,021,391.86	\$ 2,481,000.00
Subtotal	\$ 110,729,192.61	\$ 4,519,730.26	\$ 115,248,922.87	\$ -
Utilities (Duke Escrow)	\$ 15,950,025.23	\$ -	\$ 15,950,025.23	\$ -
Fund 455 Contingency Allowance	\$ 550,000.00		\$ 550,000.00	\$ -
Federal Total	\$ 127,229,217.84	\$ 4,519,730.26	\$ 131,748,948.10	\$ -
Local				
Design	\$ 14,383,709.85	\$ 202,370.96	\$ 14,586,080.81	\$ (12,638.19)
Pre-Development	\$ 1,264,628.13	\$ -	\$ 1,264,628.13	\$ (49,157.87)
City Project Administration	\$ 434,663.00	\$ -	\$ 434,663.00	\$ -
Unallocated Contingency (LOCAL)	\$ 61,796.06	\$ -	\$ 61,796.06	\$ 61,796.06
Local Total	\$ 16,144,797.04	\$ 202,370.96	\$ 16,347,168.00	\$ 0.00
Grand Total	\$ 143,374,014.88	\$ 4,722,101.22	\$ 148,096,116.10	\$ 0.00



4.2. RISK/CONTINGENCY ITEMS

- CONSTRUCTION
 - Traffic signal modifications underway to facilitate signal operation
 - MOF Modifications – align facility to operational needs
- VEHICLES
 - CAF delays will require additional engineering support from LTK
 - Spare parts & special tools delivery, training still required
 - Open items
- SAFETY & SECURITY CERTIFICATION/INTEGRATED TESTING
 - Issues identified during integrated testing, pre-revenue service and safety certification may require redesign or additional construction work intermingled with need to integrate requirements for ODOT SSO concurrence to begin revenue service and recently received guidance from PMOC in a short time frame.

4.3. CONTINGENCY USAGE

Through:	September 7, 2016				
	SOURCES	USES			
Budget Category	Contingency Budget (Rev. 4, Jul 31, 2016)	Completed Contingency Uses	Pending Contingency Uses	Estimated Contingency Uses	Contingency Remaining
ALLOCATED CONTINGENCY					
Pre-Development	\$ -	\$ -			\$ -
Design (LOCAL)	\$ 202,371				\$ 202,371
Real Estate	\$ -	\$ -			\$ -
Construction					
MOF	\$ 2,000,000	\$ 1,841,111	\$ 175,374		\$ (16,485)
Utilities (Project)					
Utilities (3rd Party)	\$ 77,207				\$ 77,207
Utilities (Duke Escrow)	\$ -				\$ -
Vehicles	\$ 2,101,722	\$ 1,277,101		\$ 400,000	\$ 424,622
Fare Vending	\$ 50,000	\$ -			\$ 50,000
City Project Administration	\$ 190,801	\$ -	\$ 190,801		\$ -
SORTA Project Administration	\$ 100,000	\$ -			\$ 100,000
Subtotal	\$ 4,722,101	\$ 3,118,212	\$ 366,174	\$ 400,000	\$ 837,715
UNALLOCATED CONTINGENCY					
Unallocated Contingency (FED)	\$ 8,021,392	\$ 1,641,516		\$ 13,070	\$ 2,098,220
Unallocated Contingency (LOCAL)	\$ 61,796				
Utilities (3rd Party)					
Construction		\$ 1,952,876	\$ 71,728	\$ 949,427	
City Project Administration			\$ 703,102		
Start-up (Capital)					
Design		\$ 653,248			
Subtotal	\$ 8,083,188	\$ 4,247,641	\$ 774,830	\$ 962,497	\$ 2,098,220
Subtotal Original Contingency Sources	\$ 12,805,289	\$ 7,365,853	\$ 1,141,004	\$ 1,362,497	\$ 2,935,935
ADDITIONAL PROPOSED ITEMS					
Downtown Signal System Retiming				\$ 300,000	\$ (2,178,900)
Startup Reimbursement				\$ 550,000	
Capital Reserve				\$ 1,000,000	
Public Services Equipment				\$ 297,500	
Parking Enforcement Equipment				\$ 31,400	
Subtotal	\$ -	\$ -	\$ -	\$ 2,178,900	\$ (2,178,900)
SubTotal Original Contingency Sources + Additional Proposed Items	\$ 12,805,289	\$ 7,365,853	\$ 1,141,004	\$ 3,541,397	\$ 757,035
FUND 455 OPERATIONS/CONSTRUCTION CONTINGENCY					
City Council Fund 455 Operations/Construction Contingency Fund (April 2016)	\$ 550,000				\$ 550,000
Subtotal	\$ 550,000	\$ -	\$ -	\$ -	\$ 550,000
Grand Total All Contingency Sources	\$ 13,355,289	\$ 7,365,853	\$ 1,141,004	\$ 3,541,397	\$ 1,307,035

4.4 GRANT DRAWDOWN SUMMARY

Through 8/31/16

SOURCE	GRANT NUMBER	ALI CODE	Description	FEDERAL SHARE			
				Authorized	Drawn	Pending	Amount Remaining
Urban Circulator	OH-03-0303	12.79.00	City Project Admin.	\$ 1,453	\$ 1,453		\$ -
		12.79.00	SORTA Project Admin.	\$ 1,388,545	\$ 918,468		\$ 470,077
		12.23.03	Construction	\$ 12,598,000	\$ 12,598,000		\$ (0)
		12.13.20	Vehicles	\$ 11,002,000	\$ 11,002,004		\$ (4)
Subtotal				\$ 24,989,998	\$ 24,519,925	\$ -	\$ 470,073
CMAQ	OH 95-X054	12.23.03	Construction	\$ 4,000,000	\$ 4,000,000		\$ -
Subtotal				\$ 4,000,000	\$ 4,000,000	\$ -	\$ -
Rail ROW Grant	OH-90-X265	13.73.00	Contingency	\$ 268,278	\$ 268,278		
Subtotal				\$ 268,278	\$ 268,278	\$ -	\$ -
TIGER 3	OH 79-0002	12.79.00	City Project Admin.	\$ 154,545	\$ 154,545		\$ (0)
		12.79.00	SORTA Project Admin	\$ 211,453	\$ 81,801		\$ 129,652
		12.23.03	Construction	\$ 15,554,000	\$ 15,554,000		\$ (0)
Subtotal				\$ 15,919,998	\$ 15,790,347	\$ -	\$ 129,651
TOTAL				\$ 45,178,274	\$ 44,578,550	\$ -	\$ 599,724

* Budget revision on 9/16/15 moved \$4.998 M from Urban Circulator ALI 12.13.20 to 12.23.03

** Drawn + Pending = 98.7% of Federal grant funds

5.0. JOB SITE SAFETY

- Safety Oriented-To date: 906
- Safety Oriented-August: 0
- Safety Orientations-August 0
- Total man-hours worked to date: 290,050
- Total man-hours worked without a lost time accident: 188,614
- Lost Time Accidents-To date: 3
- Lost Time Accidents-August: 0

6.0. SORTA ACTIVITIES



SORTA's Rail Services Director reviews the features of the CAF Streetcar with a representative from Los Angeles Streetcar Inc.

6.1. STREETCAR SAFETY & SECURITY

- Committees
 - SSRC will continue to meet; restructured for configuration management
 - FLSSC complete (annual live exercises)
- Certification Activities
 - Safety and Security Certification complete
 - Letter of Concurrence from ODOT
 - Continued close out of open items (workarounds)
 - SOP updates as needed

6.1. STREETCAR SAFETY & SECURITY

- Security
 - MOF security updates in process
 - Metro Transit Police Detail

6.2. APPROVALS

- Safety and Security Certification Verification Report (SSCVR)
 - Concurrence from ODOT and FTA
 - Self Certification
 - Certificates signed
- FTA Readiness to Enter Revenue Operations (RERO)

“it is the PMOC’s opinion that the documentation required to substantiate that the Cincinnati Streetcar Project is ready for service is acceptable.”

6.4. TRANSDEV MOBILIZATION

- Transdev Mobilization
- New General Manager – John Lee
 - Extensive Light Rail experience
 - DART – Dallas, Texas
 - Metro – Houston Texas
 - Sprinter - Escondido, California

6.5. GRAND OPENING WEEKEND

- Grand Opening Plan
 - Metro
 - Cincinnati Police Department
 - Transdev
- Volunteers at Stations
 - Crowd Control/Safety
 - Maps/Information
- Five Streetcars in operation

6.5. FARES AND ENFORCEMENT

- Fares
- Coordination with City of Cincinnati Office of Administrative Hearings regarding violations
- Training Program
 - Customer Service
 - Safety
- Authorization from City Manager (Ordinance 282-2016)
- Ticket Vending Machine Issues
 - Validation
 - Half fare
 - Credit card purchases
 - Public education campaign

6.5. FARES AND ENFORCEMENT

Cincy EZRide

- Buy bus and streetcar tickets and passes on a cell phone or tablet
- Eliminates paper tickets, cash, exact change and ticket vending machines
- Free to download – no service fee
- Buy and store tickets on phone for future use
- Pay a single fare or multiple fares for a group of riders

6.5. REAL-TIME INFO

- Real-time arrival information will be available on screens at each station
- Also will be available on apps – Bus Detective, Transit and Cincy EZRide
- The Cincinnati Bell Connector is Rt. 100

6.6. ADVERTISING / SPONSORSHIPS

- All exterior advertising has been sold for the fleet. SORTA contractor Advertising Vehicles continues to work to sell the remaining interior advertising space and systemwide sponsorship naming rights.
- Notice to Proceed has been issued to Advertising Vehicles for shelter advertising sales.

7.0. DBE & INCLUSION

- MPD reported a DBE Spend at end of August of 14.4%, below SORTA's project target of 18%.
- Tally of final quantities will not be fully available until later this year. This tallying is very likely to adjust the currently reported total.
- As reported at the time, in March 2015 the project team received information that one of the DBE contractors on the Streetcar Project may have graduated in one of its NAICS (work type) codes because their income exceeded levels in that code for the Disadvantaged Business Enterprise program.

7.0. DBE & INCLUSION

- SORTA received FTA guidance at the end of March 2016 that Bansal Construction had in fact graduated in one NAICS code that would represent a reduction of approximately 10% of the currently reported 16.9% DBE billings on the project.
- MPD has confirmed the dollar amount of DBE spend with Bansal for the NAICS code in question.
- SORTA is working with City in the process of updating their Federal Fiscal Year DBE reporting to FTA. Other action may be necessary by them.
- Final contract close-out documentation by MPD will provide to the City documentation of their best-efforts and final totals. That information will be sent on to SORTA.

7.0. DBE & INCLUSION

Workforce Inclusion Compliance July -August 2016

- City requirements under the contract establish workforce inclusion goals for MPD as well. The City requirements establish inclusion goals for the contractor's aggregate workforce in Hamilton County throughout the term of the contract. The chart below summarizes hours worked on the contract (Actual) as well as the countywide workforce inclusion goals.
- With the completion of construction and only minor punch list and testing support remaining, these totals are unlikely to change very much.

Minority & Female Utilization		
	<u>Actual</u>	<u>Goal</u>
Minority Hours	18.4%	11.9%
Female Hours	3.8%	6.9%
Minority Female	65.2%	50.0%

8.0 FEDERAL OVERSIGHT ACTIVITIES

- All activities undertaken by the project have to date met Federal Transit Administration rules and regulations.
- The City and SORTA each have responsibility for ensuring that the project adheres to FTA guidelines governing such areas as procurement, project management, financial management, operations and maintenance, Buy America, and safety and security certification.
- Project staff responded to various requests for information from FTA and the PMOC throughout the reporting period.
- The Quarterly Review Meeting (QRM) took place in Cincinnati on June 2, 2016.
- The next Quarterly Review Meeting (QRM) will take place in Chicago on September 20, 2016.
- The next Monthly Meeting/Teleconference will take place on July 7, 2016.

Appendix B

ID	Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	Status	AMOUNT (7/6/16)
1	Construction	Base	MPD	Change Order	1	8/2/2013	Labor, bonding, and materials costs associated with delay in contract NTP date.	Complete	\$ 492,933.00
2	Construction	Unallocated Contingency	MPD	Change Order	2	1/14/2014	Delay costs appropriated by City Council for Council-mandated "pause"	Complete	\$ 100,000.00
3	Construction	Unallocated Contingency	MPD	Change Order	3	1/28/2014	Adds for additional potholing and prevailing wage; credits for sewer manhole redesign and removal of communication conduits	Complete	\$ 359,745.00
4	Construction	Allocated Contingency	MPD	Contingency Allocation	1	11/8/2013	Empty conduit crossings; non-perform test station	Complete	\$ 15,791.84
5	Construction	Allocated Contingency	MPD	Contingency Allocation	2	11/8/2013	GCWW field conditions	Complete	\$ 3,571.00
6	Construction	Allocated Contingency	MPD	Contingency Allocation	3	12/30/2013	Mortar for granite pavers	Complete	\$ 6,825.00
7	Construction	Allocated Contingency	MPD	Contingency Allocation	4	12/30/2013	Additional abatement at MOF site	Complete	\$ 32,290.85
8	Construction	Allocated Contingency	MPD	Contingency Allocation	5	1/30/2014	Cast iron detectable warning; add. Geopiers; dielectric membrane; MOF conditions, others	Complete	\$ 31,309.00
9	Unallocated Contingency	Unallocated Contingency	Thelen	Certification	N/A	10/21/2013	Materials testing	Complete	\$ 108,594.50
10	Unallocated Contingency	Unallocated Contingency	KPMG	Certification	N/A	12/11/2013	City Council-mandated audit costs	Complete	\$ 250,000.00
11	Unallocated Contingency	Unallocated Contingency	Transsystems	Certification	N/A	8/30/2013	Schedule review support	Complete	\$ 60,728.00
12	Construction	Unallocated Contingency	MPD	Change Order	4	4/7/2014	Revised underground conduit crossings: revised OCS poles; revised Trapeze allowance; MOF vehicle APS changes;	Complete	\$ 265,211.25
13	Construction	Unallocated Contingency	MPD	Change Order	5	4/21/2014	City Council-mandated Delay Claim	Complete	\$ 637,108.00
14	Design	Unallocated Contingency	PB	Certification	N/A	8/25/2014	Additional construction support work needed	Complete	\$ 608,948.31
15	Construction	Unallocated Contingency	MPD	Change Order	6	7/22/2014	Water Works design changes	Complete	\$ 313,782.44
16	Construction	Allocated Contingency	MPD	Contingency Allocation	6	4/24/2014	Misc. MOF mods, telecomm conduit for MOF, GCWW force acct., Cent. Pkwy. Irrigation	Complete	\$ 79,870.00
17	Construction	Allocated Contingency	MPD	Contingency Allocation	7	6/5/2014	WTM conduit; Findlay dielectric membrane; Elm St. mill	Complete	\$ 52,503.00
18	Unallocated Contingency	Unallocated Contingency	Transsystems	Certification	N/A	7/22/2014	Task 4 - Schedule review support through MOF completion	Complete	\$ 68,854.00
19	Unallocated Contingency	Unallocated Contingency	Duke Energy	Certification	N/A	7/31/2014	Electrical service installation costs	Complete	\$ 200,000.00
20	Construction	Allocated Contingency	MPD	Contingency Allocation	8	7/31/2014	basement encroachment, cellar door, GCWW force acct., manhole mods	Complete	\$ 130,151.00
21	Construction	Allocated Contingency	MPD	Contingency Allocation	9	10/6/2014	various MOF, sewer, GCWW, other revisions,	Complete	\$ 301,038.40
22	Construction	Allocated Contingency	MPD	Contingency Allocation	10	11/17/2014	Contingency Allocation #10	Complete	\$ 210,137.50
23	Unallocated Contingency	Unallocated Contingency	DELTA Mfg.	Certification	N/A	11/17/2014	Wheel Truing Machine	Complete	\$ 606,000.00
24	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Submitted EC's from MPD	Pending	\$ 61,424.00
25	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Estimated EC's from MPD	Pending	\$ 29,070.00
26	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	TPSS# 2 and 3 screenwall changes	Estimated	
27	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	Spare Switch Points	Estimated	\$ 42,268.00
28	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	MOF Cameras, TPSS Wiring	Estimated	
29	City Project Administration	Unallocated Contingency	City	Certification	N/A	TBD	City- Additional Staff Time	Pending	\$ 703,102.04
30	City Project Administration	Allocated Contingency	City	Certification	N/A	TBD	City- Additional Staff Time	Pending	\$ 190,800.63
31	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	MOF Telecomm wiring	Estimated	
32	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Ford Force Account	Estimated	
33	Vehicles	Allocated Contingency	LTK	Certification	N/A	TBD	LTK - Additional Staff Time #1	Complete	\$ 977,100.75
34	Unallocated Contingency	Unallocated Contingency	Duke Energy	Certification	N/A	TBD	Duke hookup costs/utilities	Complete	\$ 130,000.00
35	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	Additional Quantities Needed/Claims	Estimated	\$ 525,000.00
36	Unallocated Contingency	Unallocated Contingency	TBD	Certification	N/A	TBD	Misc. MOF fit out needs, WTM mods	Estimated	\$ 93,538.00
37	Construction	Unallocated Contingency	TBD	Certification	N/A	TBD	Bike Racks, pervious concrete	Estimated	
38	Unallocated Contingency	Unallocated Contingency	Transsystems	Certification	Task 5	2/12/2015	Schedule review support Task 5	Complete	\$ 71,242.00

Appendix B continued

ID	Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	Status	AMOUNT (7/6/16)
39	Construction	Allocated Contingency	MPD	Contingency Allocation	11	1/16/2015	Partial depth repair, handrail on Race, misc. items	Complete	\$ 56,592.02
40	Construction	Unallocated Contingency	MPD	Change Order	7	3/18/2015	Lifting Jacks settlement, Owner-supplied Equipment mod., TPSS negative drainage conduit	Complete	\$ 67,630.00
41	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	Station Stop mods for TVM installation	Estimated	
42	Unallocated Contingency	Unallocated Contingency	TBD	TBD	TBD	TBD	12th & Race Overhead Light modification	Estimated	
43	Construction	Unallocated Contingency	MPD	Change Order	8	3/20/2015	TPSS Screenwall changes	Complete	\$ 19,973.66
44	Construction	Allocated Contingency	MPD	Contingency Allocation	12	3/20/2015	MOF prox readers, wayside power changes Ford FA, Type 3 waterproofing, other misc. field issues	Complete	\$ 267,924.00
45	Unallocated Contingency	Unallocated Contingency	Thelen	Certification	N/A	3/24/2015	Additional materials testing	Complete	\$ 20,000.00
46	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	Central Parkway /Walnut OCS conflicts	Estimated	\$ -
47	Construction	Unallocated Contingency	MPD	Contingency Allocation	N/A	TBD	Traffic Boom Arm Bolt Pattern conflict	Complete	\$ -
48	Construction	Allocated Contingency	MPD	Contingency Allocation	13	5/12/2015	special concrete finishing on Main, wayfinding on 2nd, MOF tread ladder, Oil/Water separator, additional sewer manhole, ped pole mods, Ford FA through Jan 2015	Complete	\$ 120,408.11
49	Construction	Allocated Contingency	MPD	Contingency Allocation	14	7/17/2015	capped manhole, utility conflict modification, subway OCS survey, Ford FA, various MOF design mods/fixes, shelter damage	Complete	\$ 50,837.00
50	Construction	Unallocated Contingency	MPD	SORTA IGA Amend #6	N/A	6/19/2015	MOF office equipment, Trapeze Wireless LAN	Complete	\$ 76,293.76
51	Fare Vending	Base	MPD	Change Order	10	8/11/2015	TVM Enclosures	Complete	\$ 135,272.21
52	Construction	Unallocated Contingency	MPD	Change Order	9	10/15/2015	MOF & TPSS #1 SCADA internet wiring; MOF furniture; MOF WTM Mods; MOF cameras	Complete	\$ 176,923.00
53	Construction	Allocated Contingency	MPD	Contingency Allocation	15	9/8/2015	TPSS #1 FRE conduit, Pavers at TPSS #2, MOF pole mods, TPSS 1 electrical cabinet	Complete	\$ 32,673.00
54	Construction	Allocated Contingency	MPD	Contingency Allocation	16	10/15/2015	Modify traffic booms in CBD (ECI 221); MLB All Star Game costs (ECI 222); Reset temp water valve (ECI 245); Fill vault at 6th & Main (ECI 249);Temp signals & signs (ECI 244)	Complete	\$ 54,341.00
55	Construction	Allocated Contingency	MPD	Contingency Allocation	17	11/23/2015	ECI's 160,193,201,205,209,226,227,248,268	Complete	\$ 36,043.00
56	Construction	Unallocated Contingency	MPD	Change Order	11	1/7/2016	ECI's 39,188,212,215,233,234,237,238,242,250,254,259,260,262,269,270,271,273,276	Complete	\$ 4,433.00
57	Construction	Allocated Contingency	MPD	Contingency Allocation	18	1/25/2016	ECI's 198, 184, 267, 275, 284, 288, 290	Complete	\$ 33,195.00
58	Construction	Unallocated Contingency	MPD	Change Order	12	2/8/2016	ECI's 54, 236, 241, 274	Complete	\$ 8,070.00
59	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	Misc. Mods - ECI 295, 296, 298, 299, 300, 301, 302	Estimated	
60	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	Secondary Signal Detection System (ECI 292)	Estimated	
61	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	ECI 312 - Walnut Skywalk Bridge Protection	Estimated	
62	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	ECI 307 - Henry St. Isolation	Estimated	
63	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	ECI 311 - MOF Electric (208v), lighting mods	Estimated	
64	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	ECI 315 - Additional Striping for Transit Only Lanes	Estimated	
65	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	ECI 300 - Compressive Strength Pay Factor Claim - ODOT Spec 898	Estimated	\$ 201,865.00
66	Vehicles	Allocated Contingency	LTK	Change Order	N/A	TBD	LTK - Amendment #3	Complete	\$ 100,000.00
67	Design	Unallocated Contingency	PB	Change Order	N/A	TBD	Additional construction support work needed	Estimated	\$ 20,000.00
68	Vehicles	Allocated Contingency	LTK	Change Order	N/A	TBD	LTK - Amendment #4	Complete	\$ 100,000.00
69	Utilities	Allocated Contingency	TWC	Addition	N/A	TBD	TWC close out remainder	Complete	
70	Vehicles	Allocated Contingency	LTK	Change Order	N/A	TBD	LTK - future amendments/additional time needed	Estimated	\$ 300,000.00

Appendix B continued

ID	Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	Status	AMOUNT (7/6/16)
71	Construction	Allocated Contingency	MPD	Contingency Allocation	19	4/18/2016	ECIs 199, 252, 265, 266 ,272, 278, 282, 295, 296, 302, 303, 304, 306, 307, 309	Complete	\$ 111,224.00
72	Construction	Allocated Contingency	MPD	Contingency Allocation	TBD	TBD	3rd & Main traffic signal changes	Estimated	
73	Construction	Allocated Contingency	MPD	Contingency Allocation	TBD	TBD	8th & Main curb ramp puddle	Estimated	
74	Construction	Allocated Contingency	MPD	Contingency Allocation	TBD	TBD	Court & Walnut curb ramp puddle	Estimated	\$ 10,000.00
75	Construction	Allocated Contingency	MPD	Contingency Allocation	TBD	TBD	MOF mezzanine angle adjustment - CHC	Estimated	
76	Startup	Unallocated Contingency	SORTA	ID Bill	N/A	TBD	Reimbursement to Fund 050 for SORTA/Transdev Startup costs	Complete	
77	Construction	Allocated Contingency	MPD	Contingency Allocation	20	TBD	ECI 181, 301, 308, 311, 312, 319, 321	Complete	\$ 42,186.00
78	Vehicles	Allocated Contingency	LTK	Change Order	N/A	TBD	LTK - Amendment #5	Complete	\$ 100,000.00
79	Startup	Unallocated Contingency	SORTA	Certification	N/A	TBD	SORTA IGA Amendment #7 - Utilities	Complete	\$ 100,000.00
80	Construction	Allocated Contingency	MPD	Contingency Allocation	21	TBD	ECI 279,291,298,313,314,315,320,322,325	Complete	\$ 55,506.00
81	Construction	Allocated Contingency	MPD	Contingency Allocation	22	TBD	ECI 292, 297, 299, 310, 316, 324	Complete	\$ 255,018.00